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Emergency Maintenance&Supply Unit

Planning and Installation Instructions

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Emergency Maintenance & Supply Unit

1. Notes On These Instructions

The preparatory measures described here ensure the safe planning of the main requirements for the installation and operation of emergency maintenance & supply unit.

- Our rights for making any technical modifications in order to improve the product are reserved.
- Please read these instructions carefully and observe the safety notes and installation specifications in these instructions.
- The contents of these instructions can be altered without prior warning.
- Where there are translations into foreign languages, the English version of these instructions is binding.

Trademarks:

- ABUN is a registered trademark of Nassetti.
- All other trademarks mentioned in these instructions are the sole property of the manufacturers concerned.

1.1 Explanation of Symbols

Symbols are used to alert you on possible operational or installation faults or give you useful tips on how to use the equipment.

IMPORTANT!

The safety symbol alerts you on critical safety information and information necessary to obtain approval.

NOTE!

The note symbol gives you tips and useful information.

2. Safety Instructions

2.1. Positioning Requirements

- The options and the conditions for fixing emergency maintenance & supply units are described in the following sections. The units must be fixed in consultation with the construction manager during installation procedures.
- The methods described for the fixation, gas and electrical supply are general recommendations in compliance with standards and their implementation is to be planned and designed for each individual case by qualified experts.
- The emergency maintenance & supply units are not suitable for use in potentially explosive areas.
- An ambient temperature of -20°C and +60°C must be maintained during operation.
- The relative humidity must not exceed 75%.

2.2. Intended Use

- The emergency maintenance & supply unit is individually equipped; depending on the version and equipment, the unit is for:
    - It has been designed for the direct supply of the distribution network, in case of repair or malfunction of the equipment at medical gas systems central stations; it is aimed for the safe connection of a previously available supply source, output pressure of which has been adjusted to the system's utilization pressure, in order to be used under such circumstances.

2.3. Instructions For Installation and Operation

Installation, testing and operation of emergency maintenance & supply units must be carried out in accordance with EN 737-3 and in accordance with the manufacturer's instructions.

3. Site Preparation

The site preparation should be done according to the final version of medical gas system drawings approved by the end user. Central medical gas system network pipes and grounding installations should be laid according to these drawings.

4. Modes Of Fixation

Emergency maintenance & supply unit installation is made externally. The fixation is done by using the types of anchors and screws suitable for the type of wall structure (concrete, hollow brick wall, etc.). If required suitable side support should be supplied by the application responsible staff.

No fixing materials, such as anchors, screws, threaded rods, etc., are provided by Nassetti, as the types are dependent on the actual structure of the construction onto which the emergency maintenance & supply units will be mounted.

5. Installation of Units

Each unit is delivered individually packed with care, in order to prevent any scratching or denting on the emergency maintenance & supply units or bending of medical gas pipes during transport.

Please store the emergency maintenance & supply units in a clean, dry area, and do not remove packing until the unit is carried to the area where it will be installed. Avoid stacking units on top of each other if unpacked. Be careful not to scratch while opening the package.

The unit is mounted in an external mounting, electrostatic powder coated (RAL 9016) 1,5mm thick DKP steel case panel. The panel is equipped with locking door so that intervention can only be made by authorized personnel. All the parts of the system are connected via easily dismountable connections to each other and to the copper pipe network.

In the production of the units, first class materials in compliance with standards are used and are put into service using advanced installation methods.

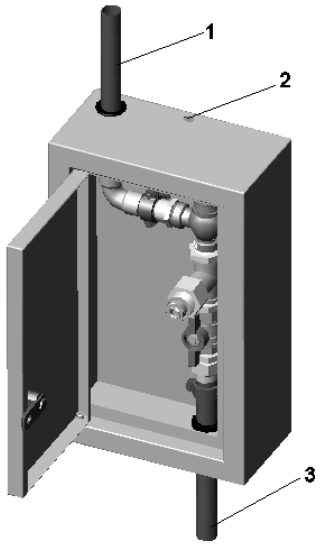
The emergency maintenance & supply units manufactured in different types have the below general features:

One sectioning valve isolating the emergency supply source from the distribution network,
One safety valve to prevent the supply of gas at a pressure higher than the network pressure,
Gas-specific connection outlet.

The emergency maintenance & supply units should be mounted at a height to allow easy connection.

Emergency Maintenance & Supply Unit

Fig 1:



Process:

- Place the unit on the determined area on the wall and fix using suitable fixing materials.
- Connect the safety valve output end (1) and relief line, output end of the unit (3) and the medical gas system distribution line; complete the welding.
- Place the alarm and grounding installation cables inside the unit, through the cable entry hole (2).
- Test the system in compliance with EN 737-3 standard.

The medical gas system copper piping network and the installation of the emergency maintenance & supply unit, testing and utilization should be carried out in compliance with EN 737-3 standard and the manufacturer's instructions. Make sure that the copper pipes are connected correctly to the supply lines. The staff in charge of the central medical gas system should carry out a test to control the gas type.

6. Electrical Installations

On site electrical installation of the emergency maintenance & supply unit is only the connection of previously installed grounding installation cables on the panel.

Grounding installations should be according to national specifications in force.

Grounding cable should be drawn taking into consideration the length necessary for the connection point on the unit.

Only an authorized electrical technician can perform electrical connections of the emergency maintenance & supply units. Multi-core connections must be provided with end sleeves for the strands.

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